控

５０条の３の第５項の規定による命令に基づく フレキシブルディスクの提出書

特許庁長官　近　藤　隆　彦　殿

1. 国際出願の表示　　ＰＣＴ／ＪＰ９９／０５１７５

2. 出　願　人（代表者）

名　称　味の素株式会社

AJINOMOTO CO., INC.

あて名　〒104-0031 日本国東京都中央区京橋1丁目15番1号

15-1, Kyobashi 1-Chome, Chuo-Ku, Tokyo 104-0031, JAPAN

3. 代　理　人

氏　名　5995 弁理士　中　村　　稔　NAKAMURA Minoru

あて名　〒100-8355　日本国東京都千代田区丸の内3丁目3番1号 新東京ビル 646号

Room 646, Shin-Tokyo Bldg., 3-1, Marunouchi 3-Chome, Chiyoda-Ku, TOKYO 100, JAPAN

4. 補正命令の日付　　１９．１０．９９

5. 提出する物件

(1)配列表に関するコードデータを記録したフレキシブルディスク　１枚

(2)陳述書　１通

(3)フレキシブルディスクの記録形式等の情報を記載した書面　１通

陳述書

特許庁長官殿

本書に添付したフレキシブルディスクに記録した塩基配列またはアミノ酸配列は、明細書に記載した塩基配列またはアミノ酸配列を忠実にコード化したものであって、内容を変更したものでないことを陳述します。

平成11年11月9日

事件の表示　　PCT／JP99／05175

発明の名称　　アミノ酸生産菌の構築方法及び構築されたアミノ酸生産菌を用いる醗酵法によるアミノ酸の製造法

代理人　　中村　稔　　㊞

フレキシブルディスクの記録形式等の情報を記載した書面

1　出願人名称　　味の素株式会社

2　代理人氏名　　中村　稔

3　事件の表示　　ＰＣＴ／ＪＰ９９／０５１７５

4　発明の名称　　アミノ酸生産菌の構築方法及び構築されたアミノ酸生産菌を用いる醗酵法によるアミノ酸の製造法

5　使用した文字コード　　ＡＳＣＩＩ

6　配列を記録したファイル名　　Sequence Listing

7　連絡先　　東京都千代田区丸の内３丁目３番１号
中村合同特許法律事務所
電話番号　　０３－３２１１－８７４１
担当者氏名　　箱田　篤

Sequence Listing

<110> Ajinomoto Co. Inc.

<120> Method of constructing amino acid producing bacteria, and method of preparing amino acids by fermentation with the constructed amino acid producing bacteria

<130> Y1G-0426

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<210> 8

<211> 30

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<220> primer 2 for introducing a mutation of gltA promoter

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<400> 14

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<212> nucleic acid

<220> primer B for cloning of ICDH

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<400> 24

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<220> primer B for amplifying of nptII

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<220> primer for amiplifying of Brevibacterium lactofermentum *pdhA gene LA*

<400> 25

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<211> 23

<212> nucleic acid

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<210> 27

<211> 30

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<220> primer for *in vitro* cloning of Brevibacterium lactofermentum *pdhA gene LA*

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<210> 28

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<211> 30

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Phe Ala Met Ile Arg Asp Gly Val Ala Ser Tyr Leu Asn Asp Ser Asp
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Pro Glu Glu Thr Asn Glu Trp Met Asp Ser Leu Asp Gly Leu Leu Gln

35 40 45

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Glu Ser Ser Pro Glu Arg Ala Arg Tyr Leu Met Leu Arg Leu Leu Glu

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Arg Ala Ser Ala Lys Arg Val Ser Leu Pro Pro Met Thr Ser Thr Asp

65 70 75 80

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Tyr Val Asn Thr Ile Pro Thr Ser Met Glu Pro Glu Phe Pro Gly Asp

85 90 95

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Glu Glu Met Glu Lys Arg Tyr Arg Arg Trp Ile Arg Trp Asn Ala Ala

100 105 110

atc atg gtt cac cgc gct cag cga cca ggc atc ggc gtc ggc gga cac 384

Ile Met Val His Arg Ala Gln Arg Pro Gly Ile Gly Val Gly Gly His

115 120 125

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Ile Ser Thr Tyr Ala Gly Ala Ala Pro Leu Tyr Glu Val Gly Phe Asn

130 135 140

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His Phe Phe Arg Gly Lys Asp His Pro Gly Gly Gly Asp Gln Ile Phe
145 150 155 160

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Phe Gln Gly His Ala Ser Pro Gly Met Tyr Ala Arg Ala Phe Met Glu
165 170 175

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Gly Arg Leu Ser Glu Asp Asp Leu Asp Gly Phe Arg Gln Glu Val Ser
180 185 190

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Arg Glu Gln Gly Gly Ile Pro Ser Tyr Pro His Pro His Gly Met Lys
195 200 205

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Asp Phe Trp Glu Phe Pro Thr Val Ser Met Gly Leu Gly Pro Met Asp
210 215 220

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Ala Ile Tyr Gln Ala Arg Phe Asn Arg Tyr Leu Glu Asn Arg Gly Ile
225 230 235 240

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Lys Asp Thr Ser Asp Gln His Val Trp Ala Phe Leu Gly Asp Gly Glu
245 250 255

atg gac gag cca gaa tca cgt ggt ctc atc cag cag gct gca ctg aac 816

Met Asp Glu Pro Glu Ser Arg Gly Leu Ile Gln Gln Ala Ala Leu Asn
260 265 270

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Asn Leu Asp Asn Leu Thr Phe Val Val Asn Cys Asn Leu Gln Arg Leu
275 280 285

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Asp Gly Pro Val Arg Gly Asn Thr Lys Ile Ile Gln Glu Leu Glu Ser
290 295 300

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385 390 395 400

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Leu Glu Thr Lys Asp Arg Pro Thr Val Ile Leu Ala His Thr Ile Lys
405 410 415

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Met Lys Lys Leu Thr Leu Asp Asp Leu Lys Leu Phe Arg Asp Lys Gln
435 440 445

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Pro Tyr Tyr His Pro Gly Glu Asp Ala Pro Glu Ile Lys Tyr Met Lys
465 470 475 480

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485 490 495

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Lys Gly Ser Gly Lys Gln Gln Ile Ala Thr Thr Met Ala Thr Val Arg
515 520 525

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Thr Phe Lys Glu Leu Met Arg Asp Lys Gly Leu Ala Asp Arg Leu Val
530 535 540

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Pro Ile Ile Pro Asp Glu Ala Arg Thr Phe Gly Leu Asp Ser Trp Phe
545 550 555 560

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Asp His Asp Leu Met Leu Ser Tyr Arg Glu Ala Pro Glu Gly Gln Ile
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595 600 605

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660 665 670

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675 680 685

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705 710 715 720

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740 745 750

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ttg aac gac tca gat ccg gag gag acc aac gag tgg atg gat tca ctc 2488

Leu Asn Asp Ser Asp Pro Glu Glu Thr Asn Glu Trp Met Asp Ser Leu

30 35 40

gac gga tta ctc cag gag tct tct cca gaa cgt gct cgt tac ctc atg 2536

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Gly Val Gly Gly His Ile Ser Thr Tyr Ala Gly Ala Ala Pro Leu Tyr
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Gly Asp Gln Ile Phe Phe Gln Gly His Ala Ser Pro Gly Met Tyr Ala
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Pro His Gly Met Lys Asp Phe Trp Glu Phe Pro Thr Val Ser Met Gly

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Gln Ala Ala Leu Asn Asn Leu Asp Asn Leu Thr Phe Val Val Asn Cys

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Thr Phe Lys Ala Asn Asp Gly Ala Tyr Val Arg Glu His Phe Phe Gly
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Ala Tyr Lys Arg Ala Leu Glu Thr Lys Asp Arg Pro Thr Val Ile Leu
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Ala His Thr Ile Lys Gly Tyr Gly Leu Gly His Asn Phe Glu Gly Arg
415 420 425

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Asn Ala Thr His Gln Met Lys Lys Leu Thr Leu Asp Asp Leu Lys Leu
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Phe Arg Asp Lys Gln Gly Ile Pro Ile Thr Asp Glu Gln Leu Glu Lys
445 450 455

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Ile Lys Tyr Met Lys Glu Arg Arg Ala Ala Leu Gly Gly Tyr Leu Pro
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655 660 665

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His Met Asp Gly His Ser Pro Val Leu Ala Ser Thr Asn Glu Gly Val

670 675 680

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Tyr Tyr Ile Thr Ile Tyr Asn Glu Pro Thr Pro Gln Pro Ala Glu Pro

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Pro Tyr Val Ala Val Ser Asp Phe Ser Thr Asp Leu Pro Asn Gln Ile
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Lys Ile Asp Val Ser Val Ala Ala Gln Ala Ala Glu Lys Phe Lys Leu
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